

# Alfa Kind UV 5000

## Water based fibre reinforced acrylic polyurethane hybrid emulsion Waterproofing membrane for roof & building facade



### Description

Alfa Kind UV 5000 is a single component, high build, water based, fiber reinforced liquid applied membrane based on acrylic polyurethane hybrid emulsion. For ideal performance, membrane shall be built up in multiple layer application by brush or roller.

### Advantages

- Compatible with all mineral substrates such as, concrete, brickbat coba, fiber cement sheets, terracotta tiles etc.
- When built at high thickness by multiple layer application (min 2 layers), no protective screed is needed.
- Single component - easy to apply.
- UV resistant and breathable hence durable.
- Weather resistant.
- Crack Bridging.
- APEO, NMP, NEP & formaldehyde free.

### Application Area

Alfa Kind UV 5000 can be used for roof waterproofing of old and new buildings. It can be applied on the accessible roofs where light foot traffic is expected. It can be applied on the flat and sloped roofs & building facades.

### Properties

Density	: 1.35 to 1.45 kg/ltr
Elongation at break	: 94%
Pull off adhesion	: 1.21 MPa
Solid content	: 72 %
Resistance to algae growth	: Passes, Zero rating
UV radiation	: No Change
Depth of water penetration at 7 bar pressure for 1 hr as per BSEN: 12390(Part 8)-2006	: Nil
Tensile strength	: 1.26 MPa
Water vapour transmission	: 6.0g/m <sup>2</sup> h
Rapid chloride penetration	: Very low

### Instructions to use

#### Surface Preparation

The surface must be clean, sound and fine pored and /or coarse textured. It must be free from bond breaking materials such as grease, wax, laitance, dust, pockets, cracks and ridges.

Use suitable methods such as wire brushing, vacuuming, grinding, milling, shot blasting and water jetting to prepare the substrate dependent on its condition. Any damaged mineral surfaces should be repaired using suitable repair mortars.

#### Priming

Alfa Kind UV 5000 shall be mixed with clean water at 1:1 ratio & applied on the prepared surface using a brush or roller to ensure that all micro pores in the concrete substrate is sealed.

### Application Instructions

#### Application

Alfa Kind UV 5000 shall be thoroughly stirred before application. The material is applied in 2 coats allowing 3hrs before subsequent coat is applied using a brush. It is also possible to apply with a roller. The fresh coating is water soluble and must be protected from rain until it has fully dried. It is possible to colour Alfa Kind UV 5000, weather and UV resistant pigment pastes which can be supplied on request. The formation of puddles or standing water must be avoided prior to the application of Alfa Kind UV 5000. It is recommended that a minimum of 2 coats shall be applied for optimum performance.

# Alfa Kind UV 5000



## Cleaning

Clean all tools and equipments with clean water immediately after use. Hardened material can only be removed mechanically.

## Packaging

5 kg bucket  
20 kg bucket

## Consumption

Theoretical consumption is 0.675 - 0.725 kg/m<sup>2</sup>/coat (Two coat application is recommended over primer coat). However consumption on a given substrates should be determined by trials.

## Shelf life

Alfa Kind UV 5000 has a shelf life of 12 months if kept in dry store in original, unopened containers. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

## Health & Safety Instructions

Alfa Kind UV 5000 is non-toxic but alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Use a dust mask while handling the powder.

## Important note :

The products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst The company endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



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